

**SAMSUNG**

**SAMSUNG**

**ELECTRONICS**



# DVD PLAYER

## DVD-M208K

AH68-00858F

## Precautions

### Setting up

Make sure the mains supply in your house complies with that indicated on the identification sticker on the back of your player. Install your player horizontally, on a suitable base (furniture), with space around it for ventilation (7~10cm). Make sure the ventilation slots are not covered. Do not place heavy devices on top over the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player ensure the disc tray is empty. This player is not for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the power supply. In order to separate the player completely from the mains, it has to be disconnected by unplugging the main plug, especially when left unused for a long period of time.

### Operation

Protect the player from moisture (dripping or splashing) and that no objects filled with liquids, such as glasses, are placed on the player, and excess heat (e.g. fireplace) or equipment creating strong electromagnetic fields (i.e. speakers...). Disconnect the power cable from the mains electricity supply if the player malfunctions. Your player is not intended for industrial use but for domestic purposes only. Use the player for personal use only. Condensation: If your player or disc have been stored in a cold environment, such as for example during transportation in the winter, wait for approximately 2 hours until they reach room temperature.

### Personal safety

Do not touch the player or any of its components. It can be dangerous for you or certain fragile equipment. You could receive an electric shock or touch the laser beam. Do not place your eyes close to the disc tray or any other opening to look inside the player.

### Disc handling

Handle your discs with care. Hold a disc with your finger on the border or hole. Always place disc label facing upward (in case of a single side disc). Always use a soft cloth to clean disc if necessary, from the centre to the border. Always put disc back into their cases after playing and store them properly. Always place the disc properly into the tray using the proper guide area. Never use cleaning sprays, benzene, static electricity liquids or any other solvent, if the disc surface is dirty. Wipe with a soft damp (water only) cloth, never wipe the disc in a circular motion, since circular scratches are likely to occur and could cause noise during playback.

### Environment

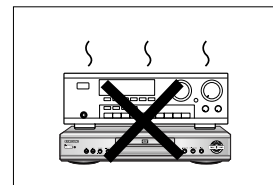
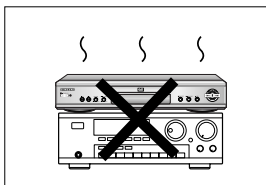
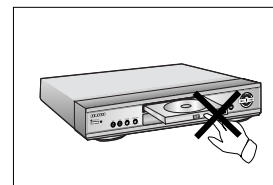
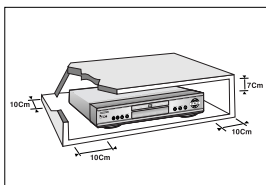
The product used in this product contains the chemicals that are harmful to the environment. Do not dispose of batteries in the general household waste. It is recommended that the replacement of batteries should be done by technician.

### Maintenance of cabinet

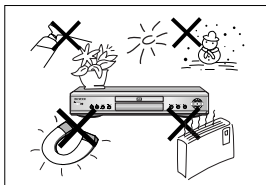
For cleaning reasons, be sure to disconnect the AC power cord from the AC outlet. Do not use benzene, thinner, or other solvents for cleaning. Clean the cabinet with a soft cloth.

## Precautions

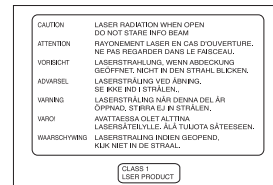
1



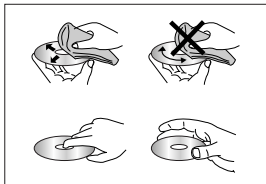
2



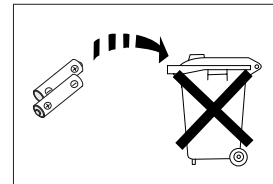
3



4



5



## Get You Start

### Accessories



Remote Control



User's Manual



Batteries for Remote Control (AA Size)



Video/Audio Cable

### Batteries in the Remote

Remove the battery cover on the back of the remote.

Insert two AA batteries. Make sure that the polarities (+ and -) are aligned correctly.

Replace the battery cover.

### If remote doesn't operate properly:

- Check the polarity + - of the batteries (Dry-Cell)
- Check if the batteries are drained.
- Check if remote sensor is blocked by obstacles.
- Check if there is any fluorescent lighting nearby.

DVDs/CDs recorded in a format different from the global DVD formats adopted by Samsung, may not be played.  
Discs recorded under different manufacturing quality, may not be

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SETUP

CONNECTIONS

BASIC  
FUNCTIONS

ADVANCED  
FUNCTIONS

KARAOKE  
FUNCTIONS

CHANGING  
SETUP MENU

REFERENCE

## General Features

**Sound**  
This DVD player uses Dolby Digital, a technology developed by Dolby Laboratories, which provides excellent sound reproduction.

**Wide Screen and Widescreen (16:9) Pictures**  
This DVD player can display wide screen and widescreen (16:9) pictures.

**Still Image**  
Any still image can be viewed in slow motion.

**Still Image Play**  
This DVD player can play program tracks in desired order.

**Parental Control**  
This DVD player allows users to set the parental control to prohibit children from watching violent movies such as those with adult subject matter, etc.



### Copy Protection

This DVD player can play discs encoded with copy protection. Because of this, you should only connect your DVD player to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD.

This DVD player incorporates copyright protection technology that is protected by the methods and claims of certain U.S. and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this protection technology must be authorized by Macrovision Corporation, and is intended for home entertainment viewing only unless otherwise authorized by Macrovision Corporation. Reverse engineering or unauthorized copying is prohibited.

### Various On-Screen Menu Functions

You can select various languages (Audio/Subtitle) and screen angles while enjoying movies.

### Repeat

You can repeat a song or movie simply by pressing the REPEAT button.

#### NOTE

\* To ensure proper playback of discs burned from MP3 files, make sure the files have been recorded at a bit rate of at least 128kbps.

\* If there are any gaps (blank data) on multi-session discs, you may experience playback problems.

\* On discs that are recorded with a Variable Bit Rate (VBR),

e.g. from 32 to 320 kbps, the sound may cut in and out.

## Disc Type and Characteristics

This DVD player is capable of playing the following types of discs with the corresponding logos:

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
	Audio + Video	12Cm	Single-sided 240 min. Double-sided 480 min.	<ul style="list-style-type: none"><li>DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system.</li><li>Various screen and audio functions can be easily selected through the on-screen menu.</li></ul>
		8Cm	Single-sided 80 min. Double-sided 160 min.	
	Audio + Video	12Cm	74 min.	<ul style="list-style-type: none"><li>Video with CD sound, VHS quality &amp; MPEG-1 compression technology.</li></ul>
		8Cm	20 min.	
	Audio	12Cm	74 min.	<ul style="list-style-type: none"><li>CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.</li></ul>
		8Cm	20 min.	

\* DO NOT play CD-ROM, CD-I and DVD-ROM in this player! (CDGs play audio only, not graphics.)

### Disc Markings



• Play Region Number



• PAL broadcast system in U.K., France, Germany, etc.



• Dolby Digital disc



• Stereo disc



• Digital Audio disc



• DTS disc

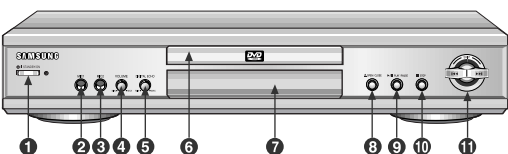
### Play Region Number

Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is described on the rear panel of the player.

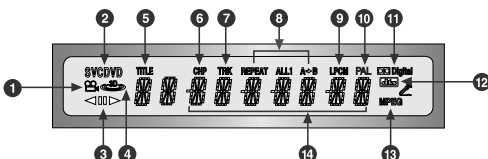
SETUP

## Description-Front Panel



### Panel Controls

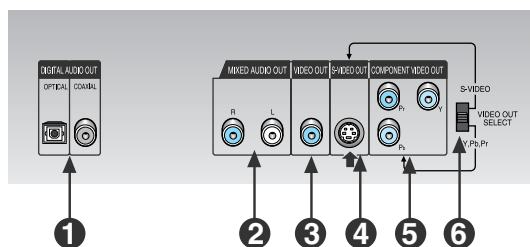
- 1** **STANDBY / ON**  
When the unit is first plugged in, the indicator lights. When STANDBY/ON is pressed on again, the light goes out and the player is turned on.
- 2**  
Connect microphone 1 for Karaoke functions.
- 3**  
Connect microphone 2 for Karaoke functions.
- 4** **VOLUME**  
Use to adjust microphone volume level.
- 5** **ECHO**  
Use to adjust echo delay.
- 6** **DISC TRAY**  
• Load the disc here.
- 7** **DISPLAY**  
• Operation indicators are displayed here.
- 8** **OPEN/CLOSE**  
• Press to open and close the disc tray.
- 9** **PLAY/PAUSE**  
• Begin or pause disc play.
- 10** **STOP**  
• Stops disc play.
- 11** **SKIP**  
• Use to skip a scene or music.



### Panel Display

- indicator. You can select multiple angles  
scene recorded by different cameras.  
be indicators  
play / Pause / Forward play  
when 3D surround is turned on.  
file number  
Chapter number.  
Audio CD : Track number  
play mode
- 1** Linear PCM audio output
- 2** PAL indicator
- 3** Dolby Digital Disc
- 4** DTS (Digital Theater System) output
- 5** MPEG-2 Audio output
- 6** Displays various messages concerning operations such as PLAY, STOP, LOAD, RANDOM, no DISC : No disc loaded.  
**OPEN** : The disc tray is open.  
**LOAD** : Player is loading disc information.

## Description-Rear Panel



### Rear Panel

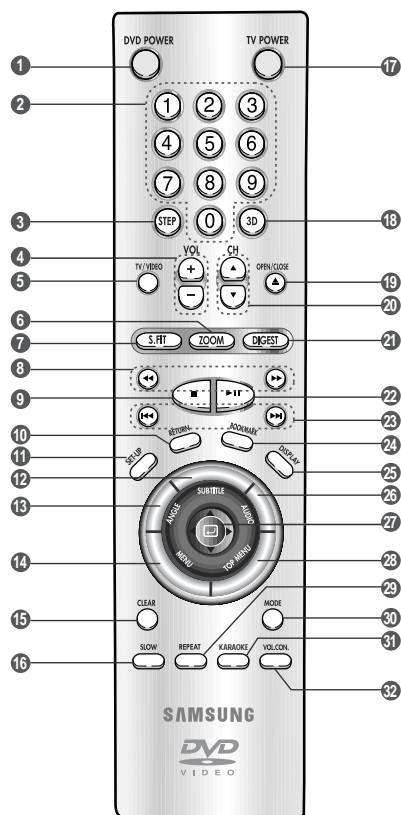
- 1** **DIGITAL AUDIO OUT JACKS**  
• Use either an optical or coaxial digital cable to connect to a compatible Dolby Digital receiver.  
Use to connect to an A/V Amplifier that contains a Dolby Digital or DTS decoder.
- 2** **MIXED AUDIO OUT JACKS**  
• Connect to the Audio input jacks of your television, audio/video receiver, or VCR.
- 3** **VIDEO OUT JACK**  
• Use a video cable to connect to the Video input jack on your television.
- 4** **S-VIDEO OUT JACK**  
• Use the S-Video cable to connect this jack to the S-Video jack on your television for a higher quality picture. The S-Video must be selected in the VIDEO OUT SELECT.
- 5** **COMPONENT VIDEO OUT JACKS**  
• Use these jacks if you have a TV with Component Video in jacks. These jacks provide Pr, Pb and Y video. Along with S-Video, Component Video provides the best picture quality. The Y, Pb, Pr must be selected in the VIDEO OUT SELECT.
- 6** **VIDEO OUT SELECT SWITCH**  
• Use the switch to set video out. If S-Video is selected, S-Video may not work. If S-Video is selected, S-Video may not work.

SETUP

## Tour of the Remote Control

## Tour of the Remote Control

SETUP



### DVD Function Buttons

- 1 DVD POWER Button
- 2 NUMBER Buttons
- 3 STEP Button
- 4 VOLUME Buttons
- 5 TV/VIDEO Button
- 6 ZOOM Button
- 7 S.FIT Button
- 8 SEARCH Buttons
  - Allows you to search forward/backward through a disc.
- 9 STOP Button
- 10 RETURN Button
  - Returns to a previous menu.
- 11 SETUP Button
  - Brings up the DVD player's Setup menu.
- 12 SUBTITLE Button
- 13 ANGLE Button
  - Use to access various camera angles on a DVD.
- 14 MENU Button
  - Brings up the Disc menu.
- 15 CLEAR Button
  - Use to remove menus or status displays from the screen.
- 16 SLOW Button
- 17 TV POWER Button
- 18 3D Button
- 19 OPEN/CLOSE Button
- 20 CHANNEL Buttons
- 21 DIGEST Button
- 22 PLAY/PAUSE Button
  - Begin/Pause disc play.
- 23 SKIP Buttons
  - Use to skip the title, chapter, or track.
- 24 BOOKMARK Button
- 25 DISPLAY Button
  - Displays the current disc mode.
- 26 AUDIO Button
  - Use this button to access various audio functions on a disc.
- 27 ENTER/DIRECTION Button (UP/DOWN or LEFT/RIGHT buttons)
  - This button functions as a toggle switch.
- 28 TOP MENU
  - Takes you to the menu on the DVD disc or CD/VCD.
- 29 REPEAT Button
  - Allows you to repeat play a title, chapter, track, or disc.
- 30 MODE Button
  - Allows you to program a specific order.
- 31 KARAOKE Button
  - Use to begin Karaoke functions.
- 32 VOL.CON. Button
  - To control the master volume of the player.

## Choosing a Connection

The following show examples of connections commonly used to connect the DVD player with a TV or other components.

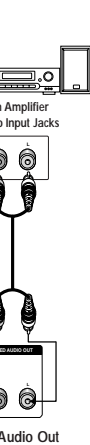
### Connecting the DVD Player

Turn off the DVD player, TV, and other components before you connect or disconnect any cables.

See the owner's manual of the additional components you are connecting for more information about particular components.

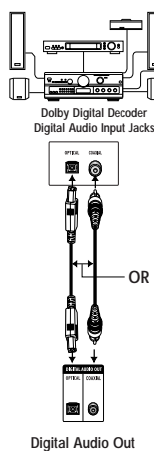
### Connection to an Audio System

Method 1



Audio Out

Method 2



Digital Audio Out

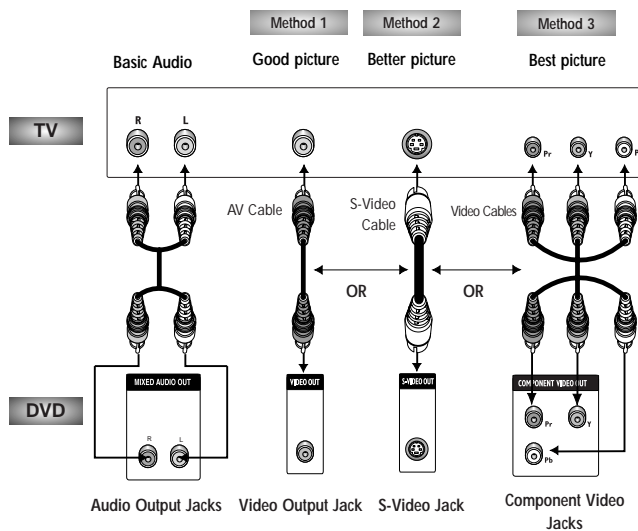
AUDIO

DVD

## Choosing a Connection

### Connection to a TV (For Video)

TV (Normal, Widescreen, Projection, etc..)



- **Method 1** DVD Player + TV with Video Input Jack
- **Method 2** DVD Player + TV with S-Video Input Jack  
(If S-Video is selected in the VIDEO OUT SELECT.)
- **Method 3** DVD Player + TV with Component Video Jacks  
(If Y, Pb or Pr is selected in the VIDEO OUT SELECT.)

### NOTE

- If Y, Pb or Pr is selected, S-Video will not work.
- If S-Video is selected, Y, Pb or Pr will not work.

CONNECTIONS

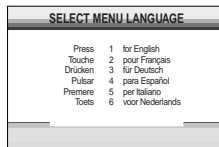
## Playing a Disc

## Playing a Disc

### Before Play

Turn on the TV and press the TV/VIDEO button to select the video mode.  
Select the Audio System and select AUX, CD or DVD.

When pressing the DVD POWER button, this screen comes



To select the language, press a NUMBER button. (This screen will appear the very first time you plug in the player.)

### Play

Press the OPEN/CLOSE button.

The STANDBY indicator light goes out and the tray opens.

Place a disc gently into the tray with the disc's label facing up.

Press the PLAY/PAUSE button or OPEN/CLOSE button to close the disc tray.

### Stopping Play

Press the STOP button during play.

### Removing Disc

Press the OPEN/CLOSE button.

### Resuming Play

Press the PLAY/PAUSE or STEP button on the remote during play.

If the disc has been stopped, no sound.

To resume again, press PLAY/PAUSE button once again.

## 7 Step Motion Play (Except CD).

Press the STEP button on the remote during play.

- Each time the button is pressed, a new frame will appear.
- No sound is heard during STEP mode.
- Press PLAY/PAUSE to resume normal play.  
(You can only perform step motion play in the forward direction.)

## 8 Slow Motion Play (Except CD).

Press the FWD SEARCH or REV SEARCH button on the remote during PAUSE or STEP mode.


- By pressing the FWD or SEARCH button, you can select slow motion play for 1/8, 1/4 or 1/2 of normal speed.
- No sound is heard during slow mode.
- Press PLAY/PAUSE to resume normal play.
- When playing a VCD, the reverse slow motion play will not work.

BASIC  
FUNCTIONS

### RESUME function

When you stop disc play, the player remembers where you stopped, so when you press PLAY again, it will pick up where you left off (unless the disc is removed, the STOP button is pressed twice or the player is unplugged.).

### NOTE

- If the player is left for 5 minutes in pause mode, it will stop.
- If the player is left in the stop mode for more than one minute without any user interaction, a screen saver will be activated, and the TV screen will fade in and out repeatedly. Press the PLAY button to resume normal play.
- This  icon indicates an invalid button press.



## Using the Search & Skip Functions

During play, you can search quickly through a chapter or track or use the skip function to jump to the next selection.

### Searching through a Chapter or Track

During play, press the FWD or REV SEARCH button on the remote.

Press the REVERSE or FORWARD SEARCH button on the remote and press again to search at a faster speed (2X/4X/8X/16X/32X/128X normal speed, in order) on the VCD and CD.

Press the REVERSE or FORWARD SEARCH button on the remote and press again to search at a faster speed (2X/4X/8X/normal speed in order) on VCD and CD. To return to normal speed play, press the PLAY/PAUSE button.

### Skipping Tracks

During play, press the NEXT SKIP or BACK SKIP button on the remote.

When playing a DVD, if you press the NEXT SKIP button, it moves to the next chapter. If you press the BACK SKIP button, it moves to the beginning of the chapter. One more press moves it to the beginning of the previous chapter.

When playing a VCD 2.0 in MENU OFF mode, a VCD 1.1 or CD, if you press the NEXT SKIP button, it moves to the next track. If you press the BACK SKIP button, it moves to the beginning of the track. One more press makes it move to the beginning of the previous track.

If the track exceeds 15 minutes when playing a VCD and you press the NEXT SKIP button, it moves forward 5 minutes. If you press the BACK SKIP button, it moves backward 5 minutes.

When playing a VCD 2.0 in the MENU MODE or Track View mode, if you press the NEXT SKIP button, it moves to the next MENU or the next Track View display.

Press the BACK SKIP button, it moves to the previous MENU or the previous Track View display. (See page 23.)

#### NOTE

DVD	2X, 4X, 8X, 16X, 32X, 128X
VCD	4X, 8X
CD	2X, 4X, 8X

- Depending on the disc, audio may not be heard when a disc is in 2X play mode.

## Using the Display Function

### When Playing a DVD

- During play, press the DISPLAY button on the remote.
  - Current title, chapter number and elapsed time will be displayed.
  - Use the LEFT/RIGHT buttons to select a title or a chapter number.
  - Use the UP/DOWN button or Number buttons to enter a different title or chapter number, then press the ENTER button.
  - To enter the time from which you want to start, use the LEFT/RIGHT buttons to select, then use the Number buttons to enter the time. Then press the ENTER button.

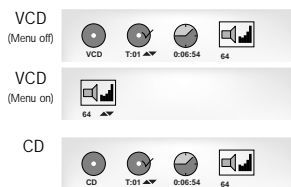


BASIC  
FUNCTIONS

- Press the DISPLAY button on the remote twice.
  - Current audio, subtitle and volume control will appear.
  - To make the screen disappear, press the DISPLAY button again.

### When Playing a CD/VCD

- During play, press the DISPLAY button on the remote.
  - Current track number, elapsed time and volume control will be displayed.
  - Use the LEFT/RIGHT buttons to select a track.
  - Use the UP/DOWN button or Number buttons to enter a different track number, then press the ENTER button.
  - To enter the time from which you want to start, use the LEFT/RIGHT buttons to select, then use the Number buttons to enter the time. Press the ENTER button.
  - To make the screen disappear, press the DISPLAY button again.



#### NOTE

**What is a Chapter?**  
Each Title on a DVD is usually divided into chapters (similar to tracks on an audio CD).

**What is a Title?**  
A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title.

## at Play

current track, chapter, title, a chosen section (A-B), or all of the disc.

### Playing a DVD

Press the REPEAT button on the remote. Repeat play appears.

Select Chapter, Title or A-B using the LEFT/RIGHT buttons.

Press the REPEAT button. Select A-B on screen with the LEFT/RIGHT buttons or press the A-B button on the remote. Press the ENTER button at the point where you want the repeat play to start (A). The B is automatically highlighted. Press the ENTER button at the point where you want the repeat play to end (B).

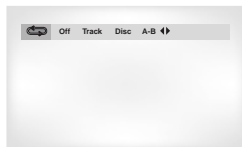
Press ENTER.

To return to normal play, press REPEAT again, or press the LEFT/RIGHT buttons to select Off and press ENTER.

DVD



VCD/CD

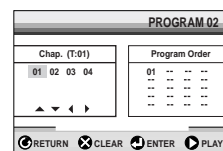
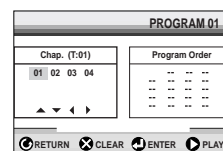


Repeat play by chapter or title, CD and VCD repeat play by disc or track. Depending on the disc, the Repeat function may not work. When track is completed before marking the end (B), the end of title or track becomes B automatically. In VCD 2.0 mode (MENU ON mode), this function does not work.

## Program Play & Random Play

### Program Play (DVD/VCD/CD)

- 1 Press the MODE button.
- 2 Use the LEFT/RIGHT buttons to select PROGRAM. Press the ENTER button.
- 3 Use the LEFT/RIGHT buttons to select the first chapter (or track) to add to the program. Press the ENTER button. The selection numbers appear in the Program Order box.
- 4 Press the PLAY/PAUSE button. The disc will be played in programmed order.



BASIC  
FUNCTIONS

### Random Play (DVD/VCD/CD)

- 1 Press the MODE button.
- 2 Use the LEFT/RIGHT buttons to select RANDOM. Press the ENTER button. The disc will be played in random order.



#### NOTE

- Depending on the disc, the Program and Random Play function may not work.
- When in VCD 2.0 mode (MENU ON mode), these functions do not work.
- To resume normal play, press the CLEAR button.

## Play

### Screen Fit Play

Press the Screen FIT button on remote control.

This function allows you to eliminate the black bars in the top and bottom of the screen when a movie is playing in the Widescreen format (16:9).

Screen Fit will not work when the Zoom mode is active. (Screen Fit cannot remove the black bars on the screen) However, Zoom mode will work when Screen Fit is active.



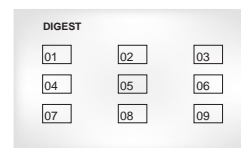
Aspect ratios are available only in multiple screen format discs. Screen Fit does not work when a DVD has been recorded in a multi-camera angle format. For DVDs, the black bars cannot be eliminated due to their aspect ratio.

## Digest Play

### Digest Play

**1** During play, Press the DIGEST button.

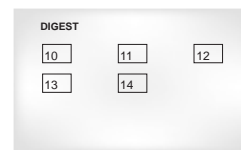
- You'll see the 9 individual windows representing each of the chapters on the TV screen.
- When each window is displayed, the first 3 seconds of the chapter will be played.



**2** Press Up/Down/LEFT/RIGHT buttons to select the window you'd like to see, and press the ENTER button.

- Up to 9 windows(chapters) can be displayed on the screen at a time.  
Press the 'Skip' button for the next 9 chapters if the movie has more than 9.

skip button



ADVANCED  
FUNCTIONS

### NOTE

- You can play the DVD player starting with the desired chapter after directly moving to the scene you want.
- 'DIGEST' may not operate depending on the disc in use.

## Repeat play

allows you slowly repeat scenes containing sports, dancing, instruments being played etc. so you can study them more closely.

### playing a DVD

Press the PLAY/PAUSE button.

Press the F/SEARCH button to choose the play speed between 1/8X, 1/4X, and 2X of normal.

Press the REPEAT (A-B) button to select the point where the function starts. (A)

Press the REPEAT (A-B) button to select the point where the function ends. (B)

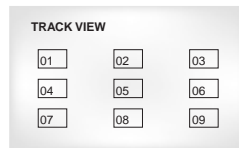
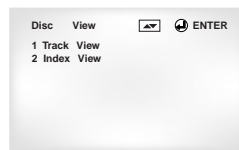
Will play only from A to B repeatedly at the speed you chose.  
To end the function, press the 'CLEAR' button or the 'REPEAT (A-B)' button again.

## Using the Disc View Function

### Track View (VCD)

Displays the beginning view of each track and the track number.

- 1 During play, press the TOP MENU button.
- 2 Press the UP/DOWN buttons to select TRACK VIEW. Press the ENTER button.
- 3 Select the desired view by pressing the UP/DOWN or LEFT/RIGHT buttons.
- 4 Press the ENTER button.

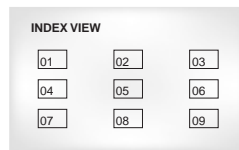


example

### Index View (VCD)

Displays the equally divided 9 views of the current playing track.

- 1 During play, press the TOP MENU button.
- 2 Press UP/DOWN buttons to select INDEX VIEW. Press the ENTER button.
- 3 Select the desired view by pressing UP/DOWN or LEFT/RIGHT buttons.
- 4 Press the ENTER button.



example

### NOTE

- In stop mode on VCD, press the TOP MENU button and the TRACK VIEW will be displayed.
- When pressing the TOP MENU button with a DVD; the disc's TITLE MENU function comes up. A disc must have at least two titles for the TITLE MENU function to work.
- When pressing the TOP MENU button with a CD; the unit enters the INTRO mode. INTRO lets you listen to the beginning of each track for about 10 seconds.

## Setting the Audio Language

Select a desired language quickly and easily with the AUDIO button.

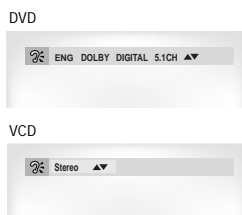
### Using the AUDIO button

Press the AUDIO button.

Use the UP/DOWN buttons to select the desired language on a DVD.

Audio languages are represented by abbreviations.

Use the UP/DOWN buttons to select the desired language (On VCD/CD)



## Selecting the Subtitle Language

You can select a desired subtitle quickly and easily with the SUBTITLE button.

### Using the SUBTITLE button

- 1 Press the SUBTITLE button.
- 2 Use the UP/DOWN buttons to select the desired subtitle language.
- 3 Use the LEFT/RIGHT button to determine whether or not the subtitle will be displayed.
  - Initially, the subtitling will not appear on screen.
  - The subtitle languages are represented by abbreviations.



### NOTE


This function depends on what languages are encoded on the disc and may not work with all DVDs.  
A DVD disc can contain up to 32 subtitle languages.  
How to have the same subtitle language come up whenever you play a DVD;  
Refer to "Setting Up the Language Features" on page 31.

- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- A DVD disc can contain up to 32 subtitle languages.
- **How to have the same subtitle language come up whenever you play a DVD;**  
Refer to "Setting Up the Language Features" on page 31.

## Using the Camera Angle

If a DVD contains multiple angles of a particular scene, you can select the Angle function.

### Using the ANGLE button

Press the ANGLE button to see if an ANGLE (  ) is present at the upper right hand corner of the screen.

When an ANGLE mark is shown, press the ANGLE button, then an ANGLE select icon will appear at the upper left hand corner of the screen.

Use the UP/DOWN buttons to select the desired screen angle.

To turn off the display, press the ANGLE button again.



example

### Volume Control Function

Press the VOL.CON. button. Use the UP/DOWN buttons to select a suitable volume level.

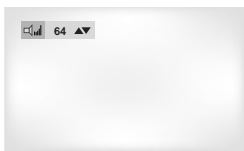
The Volume Control function lets you adjust the volume of the player's output. This is useful for matching the player's output level to other equipment in your system.

The volume control is only operative when using the Analog Audio outputs.

Volume levels are up to 64 levels. Lowering each level decreases the audio level by 0.5dB.



Volume must be reset for each disc you play. Once a disc is done playing, the Master Volume will return to the default position (64).



## Using the Bookmark Function

The Bookmark function lets you select parts of a DVD or VCD (MENU OFF mode) so that you can quickly find the section at a later time.

### Using the Bookmark Function (DVD/VCD)

- 1 During play, press the BOOKMARK button on the remote. The Bookmark icons will be displayed.
- 2 Use the LEFT/RIGHT button to move to the desired bookmark icon.
- 3 When you reach the scene you want to mark, press the ENTER button. The icon will change to a number (1, 2, or 3).
- 4 Press the BOOKMARK button to turn off the display.



### Recalling a Marked Scene

- 1 During play, press the BOOKMARK button on the remote.
- 2 Use the LEFT/RIGHT button to select a marked scene.
- 3 Press the PLAY/PAUSE button to skip to the marked scene.



### Clearing a Bookmark

- 1 During play, press the BOOKMARK button on the remote.
- 2 Use the LEFT/RIGHT button to select the bookmark number you want to delete.
- 3 Press the CLEAR button to delete a bookmark number. Press the BOOKMARK button to turn off display.

#### NOTE

- Up to three scenes may be marked at a time.
- When in VCD 2.0 mode (MENU ON mode), this function does not work.
- Depending on the disc, the Bookmark function may not work.

## the Zoom & 3D Sound Functions

### the Zoom Function (DVD/VCD)

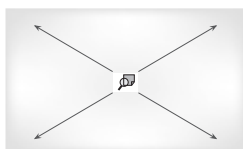
During play or pause mode, press the ZOOM button on the remote. A square will be displayed on screen.

Use the UP/DOWN or LEFT/RIGHT buttons to select the part of the screen you want to zoom in on.

Press the ENTER button.

During DVD play, press ENTER to zoom in or out to select 1X/2X/Normal in order.

During VCD play, press ENTER to zoom in or out to select 1X/2X/Normal in order.



### the 3D Sound Function

During play, press the 3D SOUND button. A 3D SOUND mark will be displayed on screen. (Be sure the DIGITAL OUTPUT is set to BIT stream. (If the DIGITAL OUTPUT is set to PCM, the 3D Sound function will not work.)

When the DIGITAL OUTPUT is set to BIT stream, the 3D Sound function will work.

During play, press the 3D SOUND button. A 3D SOUND mark will be displayed on screen. (Be sure the DIGITAL OUTPUT is set to BIT stream. (If the DIGITAL OUTPUT is set to PCM, the 3D Sound function will not work.)

Use the UP/DOWN buttons to turn the 3D Sound feature on or off.



#### NOTE

- 3D Sound is possible only on discs recorded using DOLBY SURROUND or DOLBY DIGITAL. However, some of these discs do not contain rear channel sound signals.
- Depending on the disc, the Zoom and 3D Sound function may not work.

## Beginning Karaoke Functions

### Operation Sequence

- 1 Connect the Mixed Audio Out terminals with the TV or AMP.
- 2 Press the power button.
- 3 Connect Mic into Mic 1 or Mic 2 jack. Then the karaoke mode is transferred to ON mode.

- To disconnect the Mic makes the karaoke mode transfer to OFF mode automatically.



### Key Control

- 1 Pressing the KARAOKE button makes the karaoke ON mode.
- 2 Select the "KEYCON" using the LEFT/RIGHT buttons.
- 3 By use of the LEFT/RIGHT buttons, change to the desired tone.

b: To let 7 scales down by half scale.

#: Original scale.

#: To let 7 scales up by half scale.



KARAOKE  
FUNCTIONS

#### NOTE

- Key control function is not applied to the Mic output.
- If you hear strange noises (squealing or howling) while using the karaoke feature, move the microphone away from the speakers. Turning down the microphone volume or the speaker volume is also effective.

## Reserving a Song

Function to reserve the desired song in advance by use of Karaoke function

### Sequence of reservation

1. Load the Karaoke Disc containing the reserved songs.

2. Push the KARAOKE button of the remote control to transfer to the Karaoke ON mode.

3. Push the UP/DOWN buttons to select the "REQUEST" using the remote control.

4. Input the number (Track No.) of the reserved song into the flickering part (--).

5. You can reserve up to 10 songs.

6. When you want the next reserved song to be played, press the SKIP button.

### Sequence of reservation

1. Press the CLEAR button of the remote control.

2. The last reserved song will be erased first.

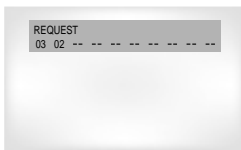
3. By continuous pressing of the CLEAR button, you can cancel the next reserved song.

4. If the reservation is required again, input the song number in the flickering part.

Function is available only when the Karaoke mode is "ON".

When using "SKIP" button, it can not work at the last song.

When using Request function, the "DISPLAY" and "REPEAT" function does not work.



## Vocal Function

### Sequence of reservation

1. Pressing the KARAOKE button twice displays the following in Karaoke ON mode:

VOCAL FADER : on  
GUIDE MELODY : off  
SCORE : on

### Vocal Fader

- The function to make the music only sound by cancelling vocal when playing a Karaoke disc.

	VOCAL FADER	Remark
↓	V1	CH1. Vocal Cancel
↓	V2	CH2. Vocal Cancel
↓	1 + 2	CH1, CH2. Vocal Cancel
↓	OFF	Vocal Fader Off

- In VCD, CVD or CD, you can select only the ON or OFF.

### Guide Melody

- To guide melody through xylophone and piano help you sing easily.

- This function works only on the DVD Karaoke disc on which the guide melody is recorded.

### Score Function

Press KARAOKE button twice to turn the Score Mode On.

-Score will pop up whenever a song is completed.

### CAUTIONS

-Make sure to turn the KARAOKE MODE to OFF to play a movie disc or play in a general mode. If you play a movie disc with the SCORE ON, a score will show up every time when a chapter is over.

### Types of Karaoke disc

#### • DVD Karaoke Disc

Channel	Karaoke Channel	5CH. DVD	2CH. DVD
1 CH	L	Left stereo music	Left stereo music + Vocal
2 CH	R	Right stereo music	Right stereo music + Vocal
3 CH	M	Guide melody	-
4 CH	V1	Vocal track	-
5 CH	V2	Vocal track	-

#### • CVD, VCD Karaoke Disc

Channel	Karaoke Channel	CVD	VCD, CD
1 CH	CH1 LEFT	Left stereo music + Vocal	Left stereo music
1 CH	CH1 RIGHT	Right stereo music + Vocal	Right stereo music + Vocal
2 CH	CH2 LEFT	Left stereo music	-
2 CH	CH2 RIGHT	Right stereo music	-

KARAOKE  
FUNCTIONS



## Setting Up the Setup Menu

The Setup Menu lets you customize your DVD player by allowing you to select various preferences, set up a parental level, even adjust the player to the type of television you have.

With the unit in Stop mode, press the SETUP button on the remote.

**Player Menu :** Setup of the Display Language  
Use the Player preference menu to select the language for the player's on-screen displays.

**Disc Menu :** Setup of the Menu Language  
Use the Menu preference menu to select the language you want a disc menu to be displayed in.

**Audio Options :** Setup of the Audio Language  
Use the Audio preference menu to select the soundtrack language.

**Subtitle :** Setup of the Subtitle Language  
Use the Subtitle preference menu to select the language the disc's subtitles are to be displayed in.

**Parental :** Setup of the Parental Level  
Allows users to set the level necessary to prevent children from watching unsuitable movies such as those with violence, adult subject matter, etc.

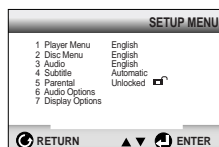
**Display Options :** Setup of the Audio Options

**Display Options :** Setup of the Display Options  
Allows you to select which type of screen you want to watch and several display options.

Use the UP/DOWN buttons on the remote to access different features.

Press the ENTER button to access the sub features.

The setup screen disappears after setting up, press the SETUP button again.



### NOTE

Depending on the disc, some Setup Menu selections may not work.

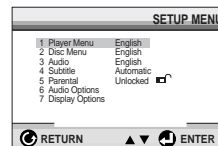
## Setting Up the Language Features

If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

### Using the Player Menu Language

- 1 With the unit in Stop mode, press the SETUP button.
- 2 Use the UP/DOWN buttons to select the PLAYER MENU.
- 3 Press the ENTER button.
- 4 Use the UP/DOWN buttons to select 'English'.
- 5 Press the ENTER button.
  - English is selected and the screen returns to SETUP MENU.
  - To make the SETUP MENU disappear, press the RETURN button.

e.g. Setting up in English.



### Using the Disc Menu Language

This function changes the text language only on the disc menu screens.

- 1 With the unit in Stop mode, press the SETUP button.
- 2 Use the UP/DOWN buttons to select DISC MENU.
- 3 Press the ENTER button.
- 4 Use the UP/DOWN button to select 'English'.
  - Select "Others" if the language you want is not listed.
- 5 Press the ENTER button.
  - English is selected and the screen returns to SETUP MENU.

e.g. Setting up in English.



CHANGING  
SETUP MENU

## Setting Up the Language Features

### Setting Up the Audio Language

With the unit in Stop mode, press the SETUP button.

Use the UP/DOWN buttons to move to AUDIO.

Press the ENTER button.

Use the UP/DOWN buttons to select 'ENGLISH'. Select 'Original' if you want the default soundtrack language or the original language the disc is recorded in.

Select 'Others' if the language you want is not listed.

Press the ENTER button.

When the language is selected and the screen returns to SETUP MENU.



### Setting Up the Subtitle Language

With the unit in Stop mode, press the SETUP button.

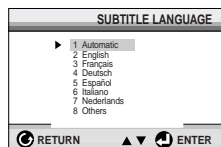
Use the UP/DOWN buttons to select SUBTITLE.

Press the ENTER button.

Use the UP/DOWN buttons to select 'ENGLISH'. Select 'Automatic' if you want the subtitle language to be the same as the language selected as the audio preference. Select 'Others' if the language you want is not listed. Some discs may not contain the language you select as your initial language; in that case the disc will use its original language.

Press the ENTER button.

When the language is selected and the screen returns to SETUP MENU.



#### NOTE

- If the selected language is not recorded on the disc, the original pre-recorded language is selected.
- How to make the SETUP MENU disappear or return to menu screen during set up: Press RETURN button.

## Setting Up the Parental Control

The Parental Control function works in conjunction with DVDs that have been assigned a rating - which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

- 1 With the unit in Stop mode, press SETUP button. The Setup Menu screen appears.
- 2 Use UP/DOWN to select Parental. Press ENTER. The Parental Control screen appears.
- 3 Use LEFT/RIGHT to select Yes if you want to use a password. Press ENTER. The Enter Password screen appears.

- 4 Enter your password. The Re-enter Password screen appears to confirm the password. Enter your password again. The Parental Control screen appears.

### 5 About the Rating Level ;

The Rating Level will work only when Use Password is set to Yes. To unlock the player, use LEFT/RIGHT to select No. Use UP/DOWN to select Rating level. Press ENTER.

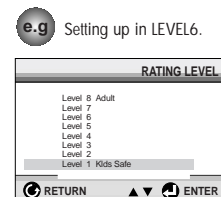
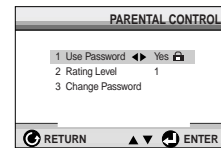
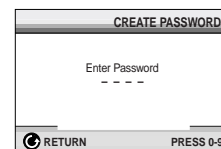
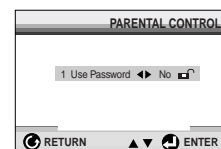
- Use UP/DOWN to select the level (e.g. Level 6) and press ENTER. Discs that contain Level 7 will now not play.
- To cancel the rating level, use LEFT/RIGHT to select No in Use Password.

### 6 About the Change Password ;

- Use UP/DOWN to select Change Password. The Change Password screen appears.
- Enter your new password. Re-enter the new password again.

#### NOTE

- How to make the SETUP MENU disappear or return to menu screen during set up: Press RETURN button.
- If you have forgotten your password, see Forget Password in the Troubleshooting Guide.



e.g. Setting up in LEVEL 6.

CHANGING  
SETUP MENU

## Setting Up the Audio Options

With the unit in Stop mode, press the SETUP button.

Use the UP/DOWN buttons to select AUDIO OPTIONS. Then press the ENTER button.

Use the UP/DOWN buttons to select the desired item. Then press the LEFT/RIGHT buttons.

Dolby Digital Out

PCM :

Converts to PCM(2CH) audio.

Select PCM when using the Analog

Audio Outputs.

Dolby Digital Out :

Converts to Dolby Digital Bitstream (5.1CH).

Select Bitstream when using the Digital

Audio Output.

**NOTE :** Be sure to select the correct Digital Output or no audio will be heard.

On : Outputs DTS Bitstream via digital output only.

Select DTS when connecting to a DTS Decoder.

Off : Doesn't output digital signal.

2X Scan Audio

On : Turns 2X audio on.

Off : Turns 2X audio off.

Though 2X Scan Audio is ON in the SETUP MENU,

sound will be heard on discs which are recorded with

PCM, DTS or MPEG-2 Audio.



Make the SETUP MENU disappear or return to menu screen during set up;

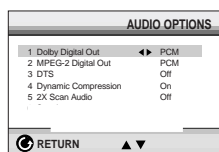
Press RETURN button.

Audio features of this product manufactured under a license from Deeper Products, Inc.

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Recorded under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. ©1992-1997 Dolby Laboratories Inc. All rights

"DTS Digital Out" are trademarks of Digital Theater Systems, Inc.



### 2 MPEG-2 Digital Out

#### 1. PCM :

Converts to PCM(2CH) audio.

Select PCM when using the Analog Audio Outputs.

#### 2. Bitstream :

Converts to MPEG-2 Digital Bitstream (5.1CH or 7.1CH).

Select Bitstream when using the Digital Audio Output.

### 4 Dynamic Compression

#### 1. On : To select dynamic compression.

#### 2. Off : To select the standard range.

## Setting Up the Display Options

1 With the unit in Stop mode, press the SETUP button.

2 Use the UP/DOWN buttons to select DISPLAY OPTIONS. Then press the ENTER button.

3 Use the UP/DOWN buttons to select the desired item. Then press the LEFT/RIGHT buttons.



### 1 TV Aspect

Depending on the type of television you have, you may want to adjust the screen setting (aspect ratio).

#### 1. 4:3 Letter Box :

Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.

#### 2. 4:3 Pan-Scan :

Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)

#### 3. 16:9 Wide :

You can view the full 16:9 picture on your widescreen TV.

### 2 Still Mode

These options will help prevent picture shake in still mode and display small text clearer.

#### 1. Field : Select this feature when the screen shakes in the Auto mode.

#### 2. Frame : Select this feature when you want to see small letters more clearly in the Auto mode.

#### 3. Auto : When selecting Auto, Field/Frame mode will be automatically converted.

### 3 Screen Messages

Use to turn on-screen messages On or Off.

### 4 Front Display

Adjust the brightness of the unit's front panel display.

#### 1. Bright : Makes the Front Panel Display bright.

#### 2. Dim : Makes the Front Panel Display dim.

#### 3. Auto Dim : Makes the Front Panel Display dim automatically when playing a DVD.

### 5 Black Level

Adjusts the brightness of the screen.(On/Off)

### 6 Quasi-PAL

Depending on a disc, you can play a NTSC DVD disc by Quasi-PAL mode.

### NOTE

- How to make the SETUP MENU disappear or return to menu screen during set up; Press RETURN button.

CHANGING  
SETUP MENU

## Troubleshooting

For best service (troubleshooting), please check the following.

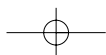
Item	Action	Page
Remote control cannot be used.	<ul style="list-style-type: none"> <li>Check the batteries in the remote. May need replacing.</li> <li>Operate the remote control at a distance of no more than 20 feet.</li> <li>Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote to reset it. Reinstall batteries and try remote again.</li> </ul>	P4
Disc does not play.	<ul style="list-style-type: none"> <li>Ensure that the disc is installed with the label side facing up.</li> <li>Check the region number of the DVD.</li> </ul>	P7
Sound is not heard.	<ul style="list-style-type: none"> <li>5.1 channel sound is reproduced only when the following conditions are met:               <ol style="list-style-type: none"> <li>1) The DVD player is connected with the proper amplifier</li> <li>2) The disc is recorded with 5.1 channel sound.</li> </ol> </li> <li>Check whether the disc being played has the "Dolby 5.1 ch" mark on the outside.</li> <li>Check if your audio system is connected and working properly.</li> <li>In a SETUP Menu, Is the Audio Output set to Bitstream?</li> </ul>	P12
Features don't appear on screen.	<ul style="list-style-type: none"> <li>The features or action cannot be completed at this time because:               <ol style="list-style-type: none"> <li>1. The DVD's software restricts it.</li> <li>2. The DVD's software doesn't support the feature (e.g., angles).</li> <li>3. The feature is not available at the moment.</li> <li>4. You've requested a title or chapter number or search time that is out of range.</li> </ol> </li> </ul>	P15
Picture doesn't appear.	<ul style="list-style-type: none"> <li>Check if the disc has a Menu.</li> </ul>	P32-33
Functions from the disc do not work properly.	<ul style="list-style-type: none"> <li>Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function.</li> </ul>	P32-36
Picture cannot be seen.	<ul style="list-style-type: none"> <li>The Screen Ratio is fixed on your DVDs.</li> </ul>	P36
Picture is blurry.	<ul style="list-style-type: none"> <li>Make sure you have selected the correct Digital Output in the Audio Options Menu.</li> </ul>	P36
Picture is distorted.	<ul style="list-style-type: none"> <li>Press power on from a cold start with no disc in the unit. Press the STOP and PLAY buttons simultaneously on the front panel for three seconds. The Select Menu Language display will appear. Select the desired language button. Press the SETUP button on the remote control to select the Parental Mode. The Parental Mode is now unlocked as indicated on the display. Press the DOWN button to select Parental. Press ENTER and the Create Password display will appear. You can now set your rating level and change your password to a new number.</li> </ul>	P35
Picture is not clear.	<ul style="list-style-type: none"> <li>Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again.</li> <li>If the problem still cannot be solved, please contact your nearest authorized service center.</li> </ul>	

## Specifications

General	Power Requirements	AC 110 ~240V, 50/60 Hz
	Power Consumption	15 W
	Weight	2.8 Kg
	Dimensions	430mm X 240mm X 79mm
	Operating Temperature Range	+5°C to +35°C
Disc	Operating Humidity Range	10 % to 75 %
	DVD:12Cm (DIGITAL VERSATILE DISC)	Reading Speed : 3.49m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 12Cm (COMPACT DISC)	Reading Speed : 1.2 to 1.4m/sec. Maximum Play Time : 74 min.
	CD : 8Cm (COMPACT DISC)	Reading Speed : 1.2 to 1.4m/sec. Maximum Play Time : 20 min.
	VCD : 12Cm	Reading Speed : 1.2 to 1.4m/sec. Maximum Play Time : 74 min. (Video + Audio)
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load)
	Component Video	Y : 1.0 Vp-p (75 Ω load) Pr : 0.70 Vp-p (75 Ω load) Pb : 0.70 Vp-p (75 Ω load)
Audio Output	S-VIDEO	Luminance Signal : 1.0 Vp-p (75 Ω load) Chrominance Signal : 0.286 Vp-p (75 Ω load)
	2 Channel	L(1/L), R(2/R)
	*Frequency Response	48 kHz Sampling : 4 Hz to 22 kHz 96 kHz Sampling : 4 Hz to 44 kHz
	*S/N Ratio	105dB (Karaoke off Mode)
	*Dynamic Range	96dB (Karaoke off Mode)
	*Total Harmonic Distortion	0.004 % (Karaoke off Mode)

\*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.



**Memo**

**Memo**

